

SECTION 1501

MONUMENTS

1501.1 GENERAL

This work shall consist of furnishing and installing precast portland cement concrete right-of-way monuments and either precast or cast-in-place survey monuments at the locations shown on the plans or directed by the ENGINEER and as specified in these specifications and the Supplementary Specifications. Monuments shall conform to the dimensions and details on the drawings.

1501.2 REFERENCES

1501.2.1 This Publication

Section 101

1501.3 MATERIALS

The concrete portion of monuments shall be constructed in accordance with the provisions in Section 101. Marker plates, as approved by the OWNER and shown on the plans, for survey monuments will be furnished by the CONTRACTOR unless otherwise specified in the Supplementary Specifications.

1501.4 CONSTRUCTION

In constructing precast monuments, the forms shall not be removed until after the concrete has hardened. Monuments that are warped will be rejected. The exposed surface of the finished monuments shall be uniform, of even texture, and shall be free from holes, cracks, and chipped edges. The precast monuments shall not be transported to the work site until the concrete has cured. Survey monuments may be cast-in-place in drilled holes without the use of forms. The size shall be 12 inches in diameter and 3 feet in depth. Marker plates shall be placed in survey monuments before the concrete block has acquired its initial set and shall be firmly bedded in the concrete. The concrete block shall be so located that, when the plate is inserted, the reference point will fall within a 1/2 inch circle in the center of the plate. The marker plates shall be stamped with the appropriate elevation above sea level and the coordinates of the point, if applicable, or as required by the ENGINEER.

1501.5 INSTALLATION

All monuments shall be set firmly and vertically in the ground to a depth of at least 3 feet. The tops of survey monument covers, where required, shall be set flush with the ground line or pavement surface, whichever applies. The monuments shall be set in position after paving; the space around them shall be filled with earth free from rock. The filling material shall be

watered and tamped into place in such manner as to hold the monument securely in position. Pavement or concrete surfaces adjacent to monuments that have been removed for the setting of monuments shall be restored to match existing contiguous surfaces and in a manner satisfactory to the ENGINEER. The CONTRACTOR shall furnish reproducible drawings to the City of Albuquerque showing reference survey monuments as marked on curbs or otherwise located.

1501.6 MEASUREMENT AND PAYMENT

Measurement and payment will be the unit price per each for the class and type required as specified in the Bid Proposal.